Erythromycylamine

Product Name: Erythromycylamine
Product Number: E057
CAS Number: 26116-56-3
Molecular Formula: C\textsubscript{37}H\textsubscript{70}N\textsubscript{2}O\textsubscript{12}
Molecular Weight: 735.0
Appearance: White solid
Storage Conditions: -20°C
Description: Erythromycylamine is a semi-synthetic analogue of erythromycin prepared by reduction of erythromycin oxime. Erythromycylamine is a potent antibiotic, however the introduction of the amino moiety increases the compound's polarity and is disadvantageous for in vivo use. This limitation was overcome by the synthesis of dirithromycin, a Schiff base pro-drug that dissociates in vivo to erythromycylamine.

Erythromycylamine is soluble in ethanol, methanol, DMF or DMSO. Good water solubility.

References:
